

User Requirements

- Experimental Safety Approval Form *
- Sector 16 Orientation *
- Laser Eye Exam
- Laser Safety 120 Course

Visitor Safety

- Visitors who have not had APS User Orientation must be escorted whenever they are in hazardous areas such as radiologically controlled areas or chemical laboratories.
- All visitors must wear their ID badge or visitor pass at all times.

Hazardous Materials

- Under no circumstances may you transport a nonexempt hazardous material to the APS in your own vehicle. To have a hazardous material shipped to HPCAT, first inform HPCAT staff of shipment, and address package to:

Veronica O'Connor
HPCAT, APS Sector-16
C/o Building 46, HazMat Receiving
9700 South Cass Avenue
Argonne, IL, 60439

- Please contact your Safety Office for assistance with proper shipping methods.
- **Dry Shippers, not containing hazardous materials** can be transported to and from the APS.

* **Required for all experiments**

Local Phone Numbers

HPCAT Office:	630-252-0479
HPCAT fax:	630-252-0496
Beamline:	630-252-1716
	630-252-1816
Electronics Lab:	630-252-0412
Laser Lab, E020:	630-252-0415
Sample Lab E030:	630-252-0412
APS User Office:	630-252-9090
APS User Office fax:	630-252-9250

Building 434 Floor Coordinator

Patricia Pedergrana	2-0401
	pager: 4-0401

Storage Ring Status

www.aps.anl.gov/asd/operations/gifplots/statgif.html

APS Long Range Schedule

www.aps.anl.gov/Facility/Schedule/index.html

ANL Guest House

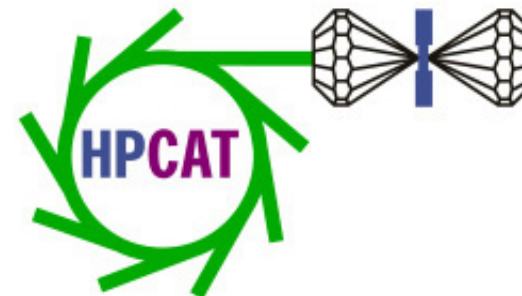
- <http://www.anlgh.org/>
- E-mail : argonne-guest-house@anl.gov
- Reservations: 1-800-632-8990 or 630-739-6000, Fax: 630-739-1000
- Mention that you are a HPCAT user and get a preferred rate.

HPCAT

Web site:
www.hpcat.aps.anl.gov

E-mail should be addressed to:
voconnor@hpcat.aps.anl.gov

HPCAT-USER INFORMATION



ADVANCED
PHOTON SOURCE

ARGONNE
NATIONAL
LABORATORY

SECTOR 16

SAFETY AT HPCAT

The HPCAT staff members and users of HPCAT facilities at the APS are individually responsible for both their own safety and that of colleagues affected by their actions.

Safety Personnel

Safety Officer:

Michael Hu
630-252-4078
mhu@hpcat.aps.anl.gov

Laser Safety:

Yue Meng
630-252-0483
ymeng@hpcat.aps.anl.gov

Electrical Cryogenics & Vacuum Safety:

Eric Rod
630-252-0412
erod@hpcat.aps.anl.gov

Crane Safety:

Eric Rod
630-252-0412
erod@hpcat.aps.anl.gov

Chemical Safety:

Maddury Somayazulu
630-252-0487
zulu@hpcat.aps.anl.gov

Building 434 Floor Coordinators:

Patti Pederghana	phone : 2-0401
	pager : 4-0401
Shift Floor Coord. on duty	phone : 2-0101
	pager : 4-0101

Location of Safety Documentation:

- HPCAT Safety Plan : HPCAT LOM
- MSDS Sheets : Outside Sample Lab door
- Experiment Safety Approval Forms: Located in beamline cabinets

**IN ANY EMERGENCY
CALL 911**

Location of Safety Equipment

- Fire Extinguisher : Base of aisle column 112
- Shower/Eye Wash : Sample Lab, E030
- Safety Glasses/Gloves : Sample Prep Area

Site Alarms

- **Loud Steady Ringing of Fire Alarm Bells:**
Immediately leave the building, exit outside.
- **Tornado or Severe Weather Siren:**
Go to the tornado shelter immediately.
(Restrooms or Machine Shop if open)
- **Steady Tone & Special Notification:**
Follow loudspeaker instructions.

Sample Lab, E030

- Users may use the chemical hood and benches in the Sample Lab. MSDS sheets for all chemicals used must be available.
- Be aware of Hazardous Waste Procedures.
- Use sharps container, gloves and eyewear, when required.

Beamline Safety

APS Shielding Configuration Policy

- Do not disturb, remove or modify any orange or yellow tagged components for *any* reason.

Radiation Safety

- Radiation survey meters are available for use at any time. Contact staff.
- Radiation badges are no longer required for users but are available upon request.

Electrical Safety

- Sector 16 circuit breakers are located along the main aisle. Hutch and laser disconnects are located outside each hutch. To be operated in case of emergency only. Contact staff immediately.

Water Manifolds

- Water flow problems will trip the Equipment Protection System (EPS). Contact a staff member immediately. Main water shutoff valves are located on exterior downstream wall of 16ID-E.

Liquid Nitrogen (LN₂)

HPCAT staff will fill large LN₂ dewar. Users can obtain small amounts of LN₂ from a 230 dewar located on sector 16 experimental floor.

Ladders

- When using a ladder, *do not* go above the recommended step or above 6 feet without proper harnessing.

Personal Safety System (PSS)

- Call an HPCAT staff member or the APS Floor Coordinator for any PSS related problems.
- **ONLY ONE PERSON AT A TIME** may operate the PSS systems. The user taking responsibility for a search and secure of the station must follow all steps to completion.

General Housekeeping

- Only drinks are allowed on the APS Experimental Floor. No food is allowed.
- Keep the stations and control rooms tidy and the egress aisles clear.
- Sample preparation must be cleared and cleaned by users before departure.
- Use sharps container, gloves and eye wear, when required.